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 QY 483 CCGGCTGTGGCTAGAGGAGCCCTGAGGTCCAACTATGTGCTCAAGAGACCCGGATG 542
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 QY 543 TGCAGCTACACTCTCTCCAGGCAACAGCTCTACCTCATCGAGATTGGCCACT 602
 Db 572 TGCAGCTACACTCTCTCCAGGCAACAGCTCTACCTCATCGAGATTGGCCACT 631
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 Db 632 ACCGCTCCCTGAGGAGCCCTGCTGATCCGACCCCATCTCTCCCTCCATGGCCAAAA 691
 QY 663 CCCCACTGTCTCTCTCCCAATTAAGATGATGCTC 697
 Db 692 CCCCACTGTCTCTCTCTCCCAATTAAGATGATGCTC 726

RESULT 6
 AR226480 749 bp DNA linear PAT 20-DEC-2002
 LOCUS Sequence 5 from patent US 6444790
 DEFINITION AR226480
 ACCESSION AR226480.1 GI:27265028
 VERSION
 KEYWORDS
 SOURCE Unknown.
 ORGANISM Unknown.
 Unclassified.

REFERENCE 1 (bases 1 to 749)
 AUTHORS Young, P.E., Ruben, S.M., Rosen, C.A. and Olsen, H.S.
 TITLE Peptidoglycan recognition proteins
 JOURNAL Patent: US 6444790-A 5 03-SEP-2002;
 FEATURES Location/Qualifiers
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 QY 543 TGCAGCTACACTCTCTCCAGGCAACAGCTCTACCTCATCGAGATTGGCCACT 602
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 Db 632 ACCGCTCCCTGAGGAGCCCTGCTGATCCGACCCCATCTCTCCCTCCATGGCCAAAA 691
 QY 663 CCCCACTGTCTCTCTCTCCCAATTAAGATGATGCTC 697
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RESULT 7
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 LOCUS Tumor proliferation inhibition- and apoptosis-associated gene and
 DEFINITION polypeptide and method of using the same.
 ACCESSION BD078857
 VERSION BD078857.1 GI:22624460
 KEYWORDS JP 2001509384-A/2.
 SOURCE JP 2001509384-A/2.
 ORGANISM Homo sapiens (human)
 Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.

REFERENCE 1 (bases 1 to 718)
 AUTHORS Georgiev, G., Kiselev, S., Prokhorchuk, E. and Ostermann, E.
 TITLE Tumor proliferation inhibition- and apoptosis-associated gene and
 JOURNAL polypeptide and method of using the same
 Patent: JP 2001509384-A 2 24-JUL-2001;
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Mon May 17 11:03:28 2004

us-10-015-390a-216.rge

Page 1

GenCore version 5.1.6
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Run on: May 16, 2004, 15:44:42 ; Search time 3727 Seconds
(without alignments)
2279.376 Million cell updates/sec

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Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

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2	1074	100.0	697	AX697147	AX697147 Sequence
3	1074	100.0	697	AY358936	AY358936 Homo sapi
4	1074	100.0	718	BD078857	BD078857 Tumor pro
5	1074	100.0	724	AF242517	AF242517 Homo sapi
6	1074	100.0	726	BD261706	BD261706 12 human
7	1074	100.0	749	BD267640	BD267640 Repridog1
8	1074	100.0	749	AR226480	AR226480 Sequence
9	989	92.1	537	AX778312	AX778312 Sequence
10	782	72.8	700	CDR131676	CDR131676 Camelus d
11	730	66.0	688	AY083309	AY083309 Bos tauru
12	696	64.8	669	AF193843	AF193843 Mus muscu
13	686	64.8	680	AF076482	AF076482 Sequence
14	686	64.8	713	BC005582	BC005582 Mus muscu
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17	673.5	62.7	630	AF154114	AF154114 Rattus no
18	654.5	60.9	678	MMRNATMS1	MMRNATMS1 M. muscu
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20	523	48.7	166500	AC007785	AC007785 Homo sapi
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27	415.5	38.7	555	DM5556618	DM5556618 Drosophi
28	415.5	38.7	555	DM5556620	DM5556620 Drosophi
29	415.5	38.7	555	DM5556621	DM5556621 Drosophi
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38	413	38.5	1110	AX119918	AX119918 Sequence
39	413	38.5	1128	AX119915	AX119915 Sequence
40	413	38.5	1194	AY035377	AY035377 Homo sapi
41	405.5	37.8	558	DM555658	DM555658 Drosophi
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DEFINITION	Homo sapiens peptidoglycan recognition protein precursor (PGRP)			
ACCESSION	AF076483			
VERSION	AF076483.1			
KEYWORDS	GI:3342532			
SOURCE	Homo sapiens (human)			
ORGANISM	Homo sapiens			
REFERENCE	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Homiidae; Homo.			
AUTHORS	1 (bases 1 to 690)			
TITLE	Kang, D., Liu, G., Lundstrom, A., Gelius, E. and Steiner, H.			
JOURNAL	A peptidoglycan recognition protein in innate immunity conserved from insects to humans			
MEDLINE	Proc. Natl. Acad. Sci. U.S.A. 95 (17), 10078-10082 (1998)			
PMID	98374308			
REFERENCE	9707603			
AUTHORS	2 (bases 1 to 690)			
TITLE	Kang, D., Liu, G., Lundstrom, A., Gelius, E. and Steiner, H.			
JOURNAL	Direct Submission			
PMID	Submitted (08-JUL-1998) Microbiology, Stockholm University, Stockholm S-106 91, Sweden			
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QY	21 AAG	40		
Db	105 GCTCAG	164		
QY	41 AAlaLeuAlaSerGluCysAlaAlaGlnHisLeuSerLeuProLeuArgTyrValValSer	60		
Db	165 GCGCTGGAGATAGAGTGGCGCCAGACACTAGCTGCGCTTACGCTATGCGTATCG	224		
QY	61 HisThrAlaGlySerSerCysAsnThrProAlaSerCysGlnGlnGlnAlaArgAsnVal	80		

Db	225	CACACGCGGGCAGCACTGCACACCCCGCTCGTGCACAGCAGAGCCCGGATGTG	284
QY	81	GINHSYTHHSWELTYSHTLEUGLYTTPCYASAPVALGLYTYRASPhLeuIIIGLY	100
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QY	101	GIUASPGLYLEUVALTYTPGJUGLYATGSGLYTTPASPhLeuThnGlyVALAHISerGLYHS	120
Db	345	GAAAGCAGGAGCTCGTATACAGAGGCCGTGGCTGGAATCTTACCGGGTCCCACTCAGGTAC	404
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Db	525	CTGAGGTCCAACTATATGTCTCAAGAGACACCGGAGATGTGACGGCTCACTCTCCAGAGC	584
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DEFINITION	Sequence 215 from Patent WO0078961.		
ACCESSION	AX697147		
VERSION	AX697147.1	GI:29498102	
KEYWORDS			
SOURCE	Homo sapiens (human)		
ORGANISM	Homo sapiens		
	Bakayota, Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;		
	Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.		
REFERENCE			
AUTHORS	1 Ferrera,N., Stewart,T.A., Williams,P.M., Baker,K.P., Desnoyers,L.,		
	Baton,D.L., Gao,W.Q., Pan,J., Botstein,D., Fong,S., Goddard,A.,		
	Godowski,P.J., Guney,A.L., Smith,V., Tumes,D., Wood,W.I.,		
	Grimaldi,C.J., Hillan,K.J., Peoni,N.F., Roy,W.A. and Watanabe,C.K.		
TITLE	Secreted and transmembrane polypeptides and nucleic acids encoding		
	the same		
JOURNAL	Patent: WO 0078961-A 215 28-DEC-2000;		
	Genentech Inc. (US)		
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Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	100.00%	Indels:	0
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QY	21	AlAGJNGJThrGJNAsPProALCYGSerProIIIEVALProAGASNGJThrLYS	40
Db	86	GCTCAGAGGACAGAGAGCCGGCGTGGCTCACCCCATATGTGCCCGGAGAGATGGAG	145
QY	41	AlaleuIAserGJNVCyAlAGJNHISLeuSerLeuProLeuArgTYRValValIAser	60

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RESULT 3
AY358936 697 bp mRNA linear PRI 03-OCT-2003
LOCUS Homo sapiens clone DNA6520 Granulocyte pep A (UNQ639) mRNA,
DEFINITION complete cds.
ACCESSION AY358936
VERSION AY358936.1 GI:37182989
KEYWORDS FLI CDNA.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
REFERENCE 1 (bases 1 to 697)
AUTHORS Clark,H.F., Gurney,A.L., Abaya,E., Baker,K., Baldwin,D., Brush,J.,
Chen,J., Chow,B., Chui,C., Crowley,C., Currell,B., Deuel,B.,
Dowd,P., Eaton,D., Foster,J., Grimaldi,C., Gu,Q., Haas,P.E.,
Heidens,S., Huang,A., Kim,H.S., Klimoweki,L., Jin,Y., Johnson,S.,
Lee,J., Lewis,L., Liao,D., Mark,M., Robbie,E., Sanchez,C.,
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Stinson,U., Vagts,A., Vandlen,R., Matanabe,C., Weand,D., Woods,K.,
Xie,M.H., Yansura,D., Yi,S., Yu,G., Yuan,J., Zhang,M., Zhang,Z.,
Godard,A., Wood,M.I. and Godowski,P.
The Secreted Protein Discovery Initiative (SPDI), a Large-scale
Effort to Identify Novel Human Secreted and Transmembrane Proteins:
A Bioinformatics Assessment
Genome Res. 13 (10), 2265-2270 (2003)

JOURNAL PDBMED 12975309
REFERENCE 2 (bases 1 to 697)
AUTHORS Clark,H.F.
TITLE Direct Submission
JOURNAL Submitted (01-AUG-2003) Department of Bioinformatics, Genentech,
Inc., 1 DNA Way, South San Francisco, CA 94080, USA
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ORIGIN

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Score: 1074.00 Matches: 196
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: Gaps: 0

US-10-015-390A-216 (1-196) x AY358936 (1-697)

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Db 446 ACACCCCGAGCCGATCGGCGACGCCAGAGTCTACTGCGCTGCGGTGCTCAGGAGCC 505
Qy 161 LeuArgSerAsnTyrValLeuLysGlyHisArgAspValGlnArgThrLeuSerProGly 180
Db 506 CTGAGGTCCAACTATGTGCTCAAGAGACACCGGGATGTGACGCTACACTCTCTCCAGGC 565
Qy 181 AsnGlnLeuTyrHisLeuIleGlnAsnTyrProHisTyrArgSerPro 196
Db 566 AACCACTCTACCACTCATCCAGATTTGGCCACACTACCGCTCCCC 613

RESULT 4
BD078857 718 bp DNA linear PAT 27-AUG-2002
LOCUS Tumor proliferation inhibition- and apoptosis-associated gene and
DEFINITION polypeptide and method of using the same.
ACCESSION BD078857
VERSION BD078857.1 GI:22624460
KEYWORDS JP 2001509384-A/2.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
REFERENCE 1 (bases 1 to 718)

Db	330	GAAACGGGCTCGTATACGAGGCGCGTGGCTCGAATTCCAGGGTCCCATTCAGGTAC	389
Qy	121	LeuTPaenProMetSerIleGlyIleSerPheMetGlyAsnIlyMetAspAlaValPro	140
Db	390	TTATGGAACCCCATCGTCATTCATGGCATCGCTACATCGGCACTCATAGATCGGATGCC	449
Qy	141	ThrProGlnAlaIleArgAlaAlaGlnGlyLeuLeuAlaCysGlyValAlaGlnGlyAla	160
Db	450	ACACCCCGGCGCATCCGGCGAGCCACGAGGTCTACGCGCTCGCGGTGGCTCAGAGGACC	509
Qy	161	LeuArgSerAsnIlyValIleIleGlyIleAspArgPValGlnArgThrLeuSerProGly	180
Db	510	CTGAGGTCCACTATGTCTCTCAAGAGAACCGGATGTGCAGCGATCACTCTCTCCAGGC	569
Qy	181	AsnGlnLeuIlyThrIleLeuIleGlnAsnTrpProHisIlyArgSerPro	196
Db	570	AACCAAGCTTACCACTTATCCAGATTGGCCACACTCCGCTCCCC	617

Pred. No.:	3.85e-93	Length:	726
Score:	1074.00	Matches:	196
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Query Match:	100.00%	Indels:	0
DB:	6	Gaps:	0

Mon May 17 11:03:28 2004

us-10-015-390a-216.rge

Page 6

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PC A61P35/04,A61P37/02,A61P43/00,C07K14/47,C07K16/18,C12N1/15,PC
C12N1/19,
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Peptidoglycan recognition proteins
FH Key Location/Qualifiers
F1 source 1..749
/organism="Homo sapiens (human)".

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Alignment Scores:	
Pred. No.:	3.99e-93
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Percent Similarity:	100.00%
Best Local Similarity:	100.00%
Query Match:	100.00%
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Matches:	196
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Mismatches:	0
Indels:	0
Gaps:	0

US-10-015-390A-216 (1-196) X BD267640 (1-749)

QY	I	MetSerAaGAgSgSemLeuLeuAaIaTPrAlaLeuProSerLeuLeuAaGluGlyA	20
Db	55	ATGTCGCCCGCTCATGCTGCTTGGCTGGGCTCTCCAGGCTCTTGATCGAAGC	114
QY	21	AlaGlnGluTnTnGluAspProAlaCysCysSerProIleValProAraGlnGluTnTn	40
Db	115	GCTCAGGAGACGAAGAAGCCCGGCTGCTGCACCCCAATGTCGCCGGAACAGTGAAG	174
QY	41	AlaLeuAlaSerGluCysAlaGlnHisLeuSerLeuProLeuAaGlyTyrValValAlaSer	60
Db	175	GCCCTGGCATCAGAGTGGCCAGACCTGACCTGCTTCAGCTATGCTGTGATCG	234
QY	61	HisTnTnAlaGlySerSerCysAsnTnTnProAlaSerCysGlnGlnGlnAlaArgAsnVal	80
Db	235	CACAGGGGGGAGCAGCTGCACAAACCCCGCTCTGTCAGAGACAGCCCGGAATGTG	294
QY	81	GlnHisTyrHisMetCysThrLeuGlyTnTnProCysAspValGlyTyrAsnPhaLeuLeuLeuGly	100
Db	235	CAGCACTACCAATGAAGACACTGGGCTGTGTGCAGTGGGCTCAACAATCTCGATGTGA	354
QY	101	GluAspGlyLeuValTyrGlnGlyAaGlyTnTnAsnPhaThrGlyAlaHisSerGlyHis	120
Db	355	GAAGACGGCTCGTATACAGAGGCCCTGCTGAACTTCAAGGGTCCCACTCAAGCTCAC	414
QY	121	LeuTnTnAsnProMetSerLeuGlyIleSerPheMetGlyAsnTyrMetAspArgValPro	140
Db	415	TTATGGAACCCCATGCTTCATTGGCAATGACTTATGGGCACTACATGATGGGGTCCC	474
QY	141	ThrProGlnAlaIleArgAlaAlaGlnGlyLeuLeuAlaCysGlyValAlaGlnGlyAla	160
Db	475	ACACCCCAAGGCCATCCGGGAGGCCAAGGCTCATCTGGCTGGCTGAGCTCAGGAGCC	534
QY	161	LeuArgSerAsnTyrValLeuLeuGlyHisAraGlyAspValGlnAraGlnHisLeuSerProGly	180
Db	535	CTGAGGTCCACTATGTGCTCAAGAAGCACCGGAGATGTGAGGGTACATCTCTCCAGGC	594
QY	181	AsnGlnLeuTyrHisLeuLeuGlnAsnTnTnProHisTyrArgSerPro	196
Db	595	AACCAAGTTCACCACTGCATCCGAATGTGGCACACTACGCTCCCC	642

RESULT	a
LOCUS	AR226480 749 bp DNA linear PAT 20-DEC-2002
DEFINITION	Sequence 5 from patent US 644790.
ACCESSION	AR226480
VERSION	AR226480.1 GI:27265028

KEYWORDS	
SOURCE	Unknown.
ORGANISM	Unknown.
REFERENCE	Unclassified.
AUTHORS	1 (bases 1 to 749)
TITLE	Young,P.E., Ruden,S.M., Rosen,C.A. and Olsen,H.S
JOURNAL	Peptidoglycan recognition proteins
FEATURES	Patent: US 6444790-A 5 03-SEP-2002;
source	Location/Qualifiers
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ORIGIN

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Pred. No.:	3,39e-93
Score:	1074.00
Percent Similarity:	100.00%
Best Local Similarity:	100.00%
Query Match:	100.00%
DB:	6
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US-10-015-390A-216 (1-196) x AR226480 (1-749)

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QY	21	AlaGlnGlyThrGluAspProAlaCysCysSerProIleAlaProArgAsnGluTrpLys	40
Db	115	GCTCAGAGACAGAAACCCGGCGCTGCGAGCCCATATGTCGCCGGAACGAGTGGAA	174
QY	41	AlaLeuAlaSerGluCysAlaGlnHisLeuSerLeuProLeuAlaGlyTrValValValSer	60
Db	175	GCCTGGCATCAGAGTGGCGCCAGACCTCGAACCTTCACCTATGGTGGTATCG	234
QY	61	HisThrAlaLeuSerSerCysAsnThrProAlaSerCysGlnGlnGlnAlaArgAsnVal	80
Db	235	CACACGGCGGCGAGCGAGCTGCAACACCCCGCTGTGCGACGACGAGCGCCGGAACTG	294
QY	81	GlnHisThrHisMetLysThrLeuGlyTrpCysAspValGlyTrpAsnPhLeuIleGly	100
Db	295	CAGACATCAACAATGAAGACATCGGGCTGTGTGCGACGTGGGCTCAACTTCTGATTGA	354
QY	101	GluAspGlyLeuValIleGluGlyValArgGlyTrpAsnPhThrGlyAlaHisSerGlyHis	120
Db	355	GAACACGGGCTCGATACGAGGGCGCTGTGCTGAACCTCAGGGGGCCACTCGAGTAC	414
QY	121	LeuTrpAsnProMetSerTieGlyLisSerPheMetGlyAsnTrpMetAspArgValPro	140
Db	415	TTATGAAACCCCATGTCCATTGGCATCAAGCTTCAATGGGCACTAATGATCGGGTGGC	474
QY	141	ThrProGlnAlaIleArgAlaAlaGlnGlyLeuLeuAlaCysGlyValAlaGlnGlyValA	160
Db	475	ACACCCCGGCGCATCCGGGACGCCAGGGGTCTACTGGCTGTGGAGTGTGGCTCAGGAA	534
QY	161	LeuArgSerAsnTrpValIleuLysGlyHisArgAspValGlnArgThrLeuSerProGly	180
Db	535	CTGAGGTCCACTATGGCTCAAGGACACCGGGAGTGTCAACCGTACACTCTCTCCAGC	594
QY	181	AsnGlnLeuTrpHisLeuIleGlnAsnTrpProHisTyrArgSerPro	196
Db	595	AACCAAGCTTACCACTCATCCAGATTGGCCCACTACCGGTCCCC	642

RESULT 9			
AX778312			
LOCUS	AX778312	537 bp	linear
DEFINITION	Sequence 469 from Patent WO03039443.		
ACCESSION	AX778312		
VERSION	AX778312.1		
KEYWORDS	GI:32695306		
SOURCE	Homo sapiens		
ORGANISM	Homo sapiens (human)		

REFERENCE
AUTHORS
TITLE
JOURNAL

1
Haferlach, T., Schoch, C., Kern, W., Kohlmann, A., Schmittger, S.,
Dugas, M., Ellis, R., Biers, B. and Mergenthaler, S.
Novel genetic markers for leukemias
Patent: WO 03039443-A 469 15-MAY-2003;
Deutsches Krebsforschungszentrum (DE) ;
Ludwig-Maximilians-Universität München (DE) ;
PD Dr. Dr. (DE) ; Schoch, Claudia (DE) ; Kern, Wolfgang (DE)

FEATURES
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Location/Qualifiers

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Score: 989.00 Matches: 179
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Best Local Similarity: 100.00% Mismatches: 0
Query Match: 92.09% Indels: 0
DB: Gaps: 6

US-10-015-390A-216 (1-196) x AX778312 (1-537)

QY 16 LeuArgIeuGIyAlaAlaGInGluThrGluAspProAlaCysCysSerProIleValPro 35
Db 1 CTTCGACTCGAGGCGCTCAGAGACAGAAAGACCCGGCTGCGACACCCCATATGAGCCC 60
QY 36 ArgAsnGluTrpLysAlaLeuAlaSerGluCysAlaGlnHisLeuSerLeuProLeuArg 55
Db 61 CGGAACGAGTGAAGGCGCTGCGATCAGAGTGGCCGACGACCTGACCTTACGC 120
QY 56 TyrValValAlaSerHisThrAlaGlySerSerCysAsnThrProAlaSerCysGlnGln 75
Db 121 TATGTGTGTATGTCACACCGCGGACGACGCGAACCCCGCTGTGTCCAGCAG 180
QY 76 GluAlaArgAsnValGlnHisTyrHisMetCysThrLeuGlyTyrCysAspValGlyTyr 95
Db 181 CAGGCCCGGANTGTCCAGCACTACCATGAAGCACTGGGCTGTGTCCAGCTGAGGCTAC 240
QY 96 AsnPhenLeuIleGlyGluAspGlyLeuValTyrGluGlyTyrPheAsnPhenThrGly 115
Db 241 AACTTCCTGATTGGAAGAAGCGGCTCGTATACGAGGCGCGTGGCTGGAATTCACGGGT 300
QY 116 AlaHisSerGlyHisLeuTrpAsnProMetSerIleGlyIleSerPheMetGlyAsnTyr 135
Db 301 GCCCACTCAGGCTCATATGAGACCCAGTGTCCATGTGCATCAGCTTCATGAGGCACTAC 360
QY 136 MetAspArgValProThrProGlnAlaIleArgAlaAlaGlnGlyLeuLeuAlaCysGly 155
Db 361 ATGATGGGGTGGCCACACCCAGCCATCCGGGACGAGGCTTACTAGCGCTGCGGT 420
QY 156 ValAlaGlnGlyAlaLeuArgSerAsnTyrValLeuGlyGlyHisAspAspValGlnArg 175
Db 421 GTGGCTCAGGAGCGCTGAGGTCCAACTATGTCTCAAGAGACCCGGGATGTGACGGT 480
QY 176 ThrLeuSerProGlyAsnGlnLeuTyrHisLeuIleGlnAsnTyrProHisTyrArg 194
Db 481 ACACTCTCTCCAGGACACCACTCTACCACTTCACGAATTCGCCACACTACCGC 537

RESULT 10
CDRI31676 700 bp mRNA linear MAM 21-DEC-2000
LOCUS CDRI31676
DEFINITION Camelus dromedarius mRNA for peptidoglycan recognition protein.
ACCESSION AJ31676
VERSION AJ31676.1 GI:11990123
KEYWORDS peptidoglycan recognition protein,
SOURCE Camelus dromedarius (Arabian camel)
ORGANISM Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

REFERENCE
AUTHORS
TITLE
JOURNAL
REFERENCE
AUTHORS
TITLE
JOURNAL

1
Kappeler, S.R., Farah, Z. and Puhon, Z.
Milk as a Source of Camel (Camelus dromedarius) Peptidoglycan
Recognition Protein
Unpublished
2 (bases 1 to 700)
Kappeler, S.R.
Direct Submission
Submitted (21-DEC-1998) Kappeler S.R., Institute of Food Science,
Swiss Federal Institute of Technology, LFO F26, 8092 Zurich,
SWITZERLAND

FEATURES
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Location/Qualifiers

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ORIGIN
polyA_signal

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Query Match: 72.81% Indels: 2
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US-10-015-390A-216 (1-196) x CDRI31676 (1-700)

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QY 21 AlaGlnGluThrGluAspProAlaCysCysSerProIleValProArgAsnGluTrpLys 40
Db 85 GCTCGA-----GAAGACCCCGCGCGCTGCGCTCCATGTGCTCCCGGAGAGAGG 138
QY 41 AlaLeuAlaSerGluCysAlaGlnHisLeuSerLeuProLeuArgTyrValAlaValSer 60
Db 139 GCCCTGGCTCCGAGTGCAGAGAAAGCTTAACACGCGCGGTGCTTACGTGTGTGTCG 198
QY 61 HisThrAlaGlySerSerCysAsnThrProAlaSerCysGlnGlnGlnAlaArgAsnVal 80
Db 199 CACACTGCGCGGACGACACCTGCGACACCCGCGCTTGTGTGCGGACAGGCCGAGACGGT 258
QY 81 GlnHisTyrHisMetCysThrLeuGlyTyrCysAspValGlyTyrAsnPhenLeuIleGly 100
Db 259 CAAAGCTTACCATGTGCGGAACCTGGGCTGTGTGCGACGTGGCTTACATCTCTGATCGGA 318
QY 101 GluAspGlyLeuValTyrGluGlyTyrPheAsnPhenThrGlyAlaHisSerGlyHis 120
Db 319 GAAGATGGGCTGCTGTGACGAAAGCGGAGGCTGGAACATCAAGGCGGCCACGAGGTCC 378
QY 121 LeuTrpAsnProMetSerIleGlyIleSerPheMetGlyAsnTyrMetAspArgValPro 140
Db 379 ACTTGAACCCCATATCCATAGGCACTCTCTTCAAGGCGCACTATATGATGAGTGGCC 438

	Qy	160	TheProglutininAalleargalaaaglnnglyleulemlajayegglyvalaalaglmglylaa	160
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	Qy	180	LauarSeranAntYrValIeuLyuGlyHISArgspVaiGlmaRghTrLeuSerProgLy	180
	Pd	499	CTGGAGATCCAACTACGAAGTCCAAGGCACC GGCGATTGCCAGC GCA CCCC TC CTC CG AGGT	558
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	ACCESSION	AY083309		
	VERSION	AY083309.1 GI:19550241		
	KEYWORDS			
	SOURCE			
	ORGANISM	Bos taurus (cow)		
	TAXID	7955		
	REFERENCE	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Eutelestomi; Mammalia; Cetartiodactyla; Ruminantia; Pecora; Bovidae;		
	AUTHORS	Bovidae; Bosnae; Bos. Tyrell,C.C., Yount,N., Tran,D., Yuan,J. and Seletsed,M.E.		
	TITLE	(bases 1 to 688) Isolation, characterization, and antimicrobial properties of bovine oligosaccharide-binding protein. A microbicidal granule protein of eosinophils and neutrophils		
	JOURNAL	J. Biol. Chem. 277 (22), 19658-19664 (2002)		
	MEDLINE	22028028		
	PUBMED	11880375		
	REFERENCE	2 (bases 1 to 688) Yount,N.Y., Yuan,J., Tyrell,C.C. and Seletsed,M.E.		
	AUTHORS	Direct Submission Submitted (11-MAR-2002) Pathology, UC Irvine, 440D Medical Sciences 1, Irvine, CA 92697, USA		
	JOURNAL	Location/Qualifiers		
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	DB:	4	Gaps:	1
	US-10-015-390A-216	(1-196)	x AY083309	(1-688)

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Oy		21	AlaGlGlnThrGlnuPrProAlaCySeSerProIleValProArgAnsiuTrpLys	40
Dd		89	GCTCAAC-----TGGGAGAGATGTTGCCGCCGAAGTGGGC	130
Oy		41	AlaLeuAlaSerGluCysAlaGlnHISLeuSerLeuProLeuArgTyValValSer	60
Dd		131	GCCTGCGCATCCAAGTGCACCGCAGAGGCTAAGACAGCTGTGTGGCTACGTGGTGTG	190
Oy		61	HISThrAlaIleSerSerCysAnstnThProAlaSerCysGlnGlnAlaArgAnVal	80
Dd		191	CACCGCGGCGACCGCTCTCACACTCCGCGCTCGTCGACAGGCGAGGCCAAACGTG	250
Oy		81	GlnHisTyRhiMetLysEthrThrLeuGlyTyrCysAspValGlyTyrAnpheuLlegly	100
Dd		251	CAGTACTAACCGACGCGGAGCGGAGCGGTGTGCGACGTGGGCTACAATTCTGTATCGGA	310
Oy		101	GluAspGlyLeuValTYRGlnGlyArgGlyTTPanSphethrGlyAlaHISserGlyHIS	120
Dd		311	GMAATATGGCGCTCGTGTAGAGGCGCGGCGCTGGAAACCTTAGTGCTCACTTGGCCC	370
Oy		121	LeuTrpAnSPrometSerIleglyILISerPhemetGlyAnsTyRMeTaSPargValPro	140
Dd		371	ACGTGAACCCCAAGCAGCAGTCGATCTCTTATGGGACAATCATGATCGGATGCC	430
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Dd		431	CCGCGCTCTGCTCTCAGGCGCGCCAAAGTCTGTGCTGTGGCGACGCTGGGATAC	490
Oy		161	LeuArgSerAnnyTyValLeuLysGLYHISArgAspValGlnArgThrLeuSerProGly	180
Dd		491	CTGACTCTTAATCTACAGAGTCAAAGAGACACCGCATGTGCAGCAGAAGCTCTTCCAGGG	550
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Dd		551	GACGAGCTCTATAAATCATCATCAGAGTGGCGGCACTACCC	592
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DEFINITION			Mus musculus TAG7-like protein mRNA, complete cds.	
ACCESSION		AF193843		
VERSION		AF193843.1	GI:6273360	
KEYWORDS				
SOURCE			Mus musculus (house mouse)	
ORGANISM			Mus musculus	
			Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;	
			Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Mus.	
REFERENCE			1 (bases 1 to 669)	
AUTHORS			Slayton,W.B., Rigaa,A., Hancock,J.D., Zaugg,J.K., Ie,T.V.,	
TITLE			Granulocyte-colony stimulating factor up-regulates expression of	
JOURNAL			unpublished	
AUTHORS			2 (bases 1 to 669)	
TITLE			Slayton,W.B., Rigaa,A., Hancock,J.D., Zaugg,J.K., Ie,T.V.,	
JOURNAL			Tratuman,M.S., Spangrud,G.J., Carroll,W.L. and Schibler,K.R.	
AUTHORS			Direct Submission	
TITLE			Submitted (11-OCT-1999) Pediatrics, University of Utah, 50 North	
JOURNAL			Medical Drive, Room 2A126, Salt Lake City, UT 84132, USA	
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 DEFINITION Mus musculus peptidoglycan recognition protein, mRNA (CDNA clone
 MGC:11430 IMAGE:3969014), complete cds.
 VERSION BC005582
 KEYWORDS MGC.
 SOURCE Mus musculus (house mouse)
 ORGANISM Mus musculus
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
 REFERENCE
 AUTHORS Krausner, R.D., Collins, F.S., Wagner, L., Shennan, C.M., Schuler, G.D.,
 Altschul, S.F., Zeeberg, B., Bucrow, K.H., Schaefer, C.F., Bhat, N.K.,
 Hopkins, R.F., Jordan, H., Moore, T., Max, S.I., Wang, J., Helein, F.,
 Diatchenko, L., Martins, K., Farmer, A.A., Rubin, G.M., Hong, L.,
 Schaefer, T.E., Brownstein, M.J., Usdin, T.B., Toshiyuki, S.,
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 Saez, J., Helton, E., Kettelman, M., Madan, A., Rodriguez, S.,
 Sanchez, A., Whiting, M., Madan, A., Young, A.C., Shevchenko, Y.,
 Bouffard, G.G., Blakeley, R.W., Touchman, J.W., Green, E.D.,
 Dickson, M.C., Rodriguez, A.C., Grimwood, J., Schmitt, J., Myers, R.M.,
 Butler, L.Y., Schein, J.E., Jones, S.J., Skalska, U., Smalls, D.E.,
 Schermer, A., Schein, J.E., Jones, S.J. and Marra, M.A.
 Generation and initial analysis of more than 15,000 full-length
 human and mouse cDNA sequences
 Proc. Natl. Acad. Sci. U.S.A. 99 (26), 16899-16903 (2002)
 JOURNAL MEDLINE
 PUBMED 12477932
 2 (bases 1 to 713)
 Strausberg, R.
 Direct Submission
 Submitted (02-APR-2001) National Institutes of Health, Mammalian
 Gene Collection (MGC), Cancer Genomics Office, National Cancer
 Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590,
 USA
 NIH-MGC Project URL: <http://mgc.nci.nih.gov>
 Contact: MGC help desk
 Email: cgabs-remail.nih.gov
 Tissue Procurement: Gilbert Smith, Ph.D.
 cDNA Library Preparation: Life Technologies, Inc.
 DNA Sequencing by: Baylor College of Medicine Human Genome
 Sequencing Center
 Center code: BCM-HGSC
 Web site: <http://www.hgsc.bcm.tmc.edu/cdna/>
 Contact: amg@bcm.tmc.edu
 Gunaratne, P.H., Garcia, A.M., Lu, X., Hulik, S.W., Louisege, H.,
 Kowis, C.R., Sneed, A.J., Martin, R.G., Muzny, D.M., Narasvelli,
 A.N., Gibbs, R.A.
 Clone distribution: MGC clone distribution information can be found
 through the I.M.A.G.E. Consortium/BLN at: <http://image.llnl.gov>

This clone was selected for full length sequencing because it
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 Location/Qualifiers

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gene

CDS

misc_feature

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 Query Match: 64.80% Indels: 8
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US-10-015-390A-216 (1-196) x BC005582 (1-713)

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Mon May 17 11:03:28 2004

us-10-015-390a-216.rge

Page 11

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Job time : 3731 secs

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AUTHORS	1 (bases 1 to 549)		
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JOURNAL	Nucleic acid encoding tag7 polypeptide		
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GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

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Total number of hits satisfying chosen parameters: 6940544

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
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Listing first 45 summaries

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and is derived by analysis of the total score distribution.

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6	695	99.7	749	6	AR226480
7	674	96.7	718	6	BD078857
8	667.8	95.8	690	6	AF076483
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Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
REFERENCE
1 Ferrera, N., Stewart, T.A., Williams, P.W., Baker, K.P., Desnoyers, L.,
Baton, D.L., Gao, W.Q., Pan, J., Botstein, D., Fong, S., Goddard, A.,
Godowski, P. J., Gurney, A. L., Smith, V., Tumas, D., Wood, W. I.,

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1 (bases 1 to 697)
Clark,H.F., Gunney,A.L., Abaya,E., Baker,K., Baldwin,D., Brush,J.,
Chen,J., Chow,B., Chui,C., Crowley,C., Curell,B., Deuel,B.,
Dowd,P., Eaton,D., Foster,J., Grimaldi,C., Gu,Q., Hass,P.E.,
Heldens,S., Huang,A., Kim,H.S., Kilmowski,L., Jin,Y., Johnson,S.,
Lee,J., Lewis,L., Liab,D., Mark,M., Robble,E., Sanchez,C.,
Schonfeld,J., Seashagiri,S., Simmons,L., Singh,J., Smith,V.,
Strimmon,J., Vasta,A., Vardien,R., Watanabe,C., Weard,D., Woods,K.,
Xie,H.H., Yamanaka,D., Yi,S., Yu,G., Yuan,J., Zhang,M., Zhang,Z.,
Goddard,A., Wood,M.I. and Godowski,P. (2003)
The Secreted Protein Discovery Initiative (SPDI), a Large-scale
Effort to Identify Novel Human Secreted and Transmembrane Proteins:
A Bioinformatics Assessment
Genome Res. 13 (10), 2265-2270 (2003)
2 (bases 1 to 697)
12975309
Clark,H.P.
Direct Submission
Submitted (01-AUG-2003) Department of Bioinformatics, Genentech,
Inc., 1 DNA Way, South San Francisco, CA 94080, USA
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 REFERENCE 1 (bases 1 to 724)
 AUTHORS Man, T., Zhang, W. and Cao, X.
 DIRECT SUBMISSION
 JOURNAL Submitted (08-MAR-2000) Department of Immunology, Second Military
 Medical University & Shanghai Brilliance Biotechnology Institute,
 800 Xiangyin Rd., Shanghai 200433, P.R. China
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 Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
 REFERENCE 1 (bases 1 to 726)
 AUTHORS Ni, J., Ruben, S.M., Olsen, H.S., Young, P.E., Kenny, J.J., Moore, P.A.,
 Wei, Y.F. and Greene, J.M.
 JOURNAL Patent: JP 2002530062-A/17 17-SEP-2002;
 HUMAN GENOME SCIENCES INC
 COMMENT
 OS Homo sapiens (human)
 PN JP 2002530062-A/17
 PD 17-SEP-2002
 PF 27-OCT-1999 JP 2000582421
 PI 28-OCT-1998 US 60/105971
 PT JIAN NI, STEVEN M RUBEN, HENRIK S OLSEN, PAUL E YOUNG, JOSEPH J
 PI KENNY, YING FENG WEI, JOHN M GREENE
 PI PAUL A MOORE, YOUNG P E YOUNG, JOSEPH J
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 1 (bases 1 to 749)
 Young, P.E., Ruben, S.M., Rosen, C.A. and Olsen, H.S.
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DEFINITION	Tumor proliferation inhibition and apoptosis-associated gene and polypeptide and method of using the same.						
ACCESSION	BD078857	VERSION	BD078857.1	GI:22624460			
KEYWORDS	JP 2001509384-A/2.						
SOURCE	Homo sapiens (human)						
ORGANISM	Homo sapiens						
REFERENCE	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.						
AUTHORS	1 (baaes 1 to 718)						
TITLE	Georgiev,G., Kiselev,S., Prokhorchouk,E. and Ostermann,E.						
JOURNAL	Tumor proliferation inhibition- and apoptosis-associated gene and polypeptide and method of using the same						
COMMENT	Patent: JP 2001509384-A 2 24-JUL-2001;						
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	OS Homo sapiens (human)						
	ID 2001509384-A/2						

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PD 24-JUL-2001
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PR 11-JUL-1997 US 08/893764
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, C12Q1/68, G01N33/53,
PC C12N15/00, A6IK37/02, C12N5/00
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and
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CC polypeptide and method of using the same
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	mRNA, complete cds.			
ACCESSION	AF076483			
VERSION	AF076483.1	GI:3342532		
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REFERENCE	1 (baaes 1 to 690)			
AUTHORS	Kang,D., Liu,G., Lundstrom,A., Gellius,E. and Steiner,H.			
TITLE	A peptidoglycan recognition protein in innate immunity conserved from insects to humans			
JOURNAL	Proc. Natl. Acad. Sci. U.S.A.	95 (17),	10078-10082	(1998)
MEDLINE	98374308			
PubMed	9707603			
REFERENCE	2 (baaes 1 to 690)			
AUTHORS	Kang,D., Liu,G., Lundstrom,A., Gellius,E. and Steiner,H.			
TITLE	Direct Submission			
JOURNAL	Submitted (08-JUL-1998) Microbiology, Stockholm University,			
	Stockholm S-106 91, Sweden			
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ACCESSION AX778312
VERSION AX778312.1 GI:32695306
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
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REFERENCE
AUTHORS Haeflrich, T.; Schoch, C.; Kern, W.; Kohlmann, A.; Schmitzger, S.;
Dugas, M.; Ellis, R.; Broers, B. and Weigenhafer, S.
TITLE Novel genetic markers for leukemias
JOURNAL Patent: WO 03039443-A 469 15-MAY-2003;
Deutsches Krebsforschungszentrum (DE);
Ludwig-Maximilians-Universitaet Muenchen (DE); Haeflrich, Torsten,
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VERSION AJ131676.1 GI:11990123
KEYWORDS peptidoglycan recognition protein.
SOURCE Camelus dromedarius (Arabian camel)
ORGANISM Camelus dromedarius
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Cetartiodactyla; Tylopoda; Camelidae; Camelus.
REFERENCE
AUTHORS Kappeler, S.R., Farah, Z. and Puhari, Z.
TITLE Milk as a Source of Camel (Camelus dromedarius) peptidoglycan
Recognition Protein
JOURNAL Unpublished
REFERENCE 2 (bases 1 to 700)
AUTHORS Kappeler, S.R.
TITLE Direct Submission
JOURNAL Submitted (21-DEC-1998) Kappeler S.R., Institute of Food Science,
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QY 324 GAGAGAGCGGGCTGTATAGAGGCGCTGTGTGCAAGTGGCTCAACTTCTGATTG 383
DB 317 GAGAGAGCGGGCTGTATAGAGGCGCTGTGTGCAAGTGGCTCAACTTCTGATTG 376
QY 384 ACTTATGAAACCCCATGCTTGCATGAGCTTCACTGAGCTTCACTGAGTGC 443
DB 377 CCAGCTGAAACCCCATGCTTGCATGAGCTTCACTGAGCTTCACTGAGTGC 436

QY 444 CCACACCCAGCCATCCGAGGAGCCGAGGCTCTAGTGGCTGCGGTGCTCAGGAG 503
 DB 437 CCCCCCCCCCGCCCTCCGAGGAGCCAGAACTGTGCTGGCTTGTGTGGCTCTGGAG 496
 QY 504 CCTGAGGTCCATCTATGTCTCAAGAGACACCGGAGTGTGACAGCTACTCTCTCAG 563
 DB 497 CCTGAGATCCAACTACAGAGGTCAAGGACACCGGAGTGTGACAGCTACTCTCTCAG 556
 QY 564 GCAACCACTCTACCACTCTCAATCCAGAAATGGCCACACTACCGCTCCCTGAGGCTG 623
 DB 557 GTGACGCGCTCTAGAGAAATCAATCCAGACTGTGCTCACTACCGC-GCATGAGGCTCTC 615
 QY 624 CTGATCCGACCCCACTTCTCCCTCCCTCCATGAGCCCAAAACCCCACTG---TCTCTTCT 679
 DB 616 CCGCTCTGACACCGCTCCCATCCCTCTGTCTGTCAAAACCCCACTGCTCTCCCCCCC 675
 QY 680 CCAATAAGATGTAGCTC 697
 DB 676 CCAATTAAGGTAGACTC 693

RESULT 11
 BD204097 380 bp DNA linear PAT 17-JUL-2003
 LOCUS 5'EST and human protein encoded thereby.
 ACCESSION BD204097
 VERSION BD204097.1 GI:33013867
 KEYWORDS JP 2002511259-A/301.
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Homiidae; Homo.
 REFERENCE 1 (bases 1 to 380)
 AUTHORS Edwards,J.B.D.M., Duclert,A. and Giordano,J.Y.
 TITLE 5'EST and human protein encoded thereby
 JOURNAL Patent: JP 2002511259-A 301 16-APR-2002;
 GENSEKI

COMMENT OS Homo sapiens (human)
 PN JP 2002511259-A/301
 PD 16-APR-2002
 PR 09-APR-1998 JP 2000543599
 PR 09-APR-1998 US 09/057719,28-APR-1998 US 09/069047 PI
 JEAN BAPTISTE DUMAS MILNE EDWARDS, AYMERIC DUCLERT, JEAN YVES PI
 GIORDANO
 PC C12N15/09,C12N15/09,C07K14/47,C07K16/18,C12M1/00,C12N1/15, PC
 C12N1/19,
 PC C12N1/21,C12N5/10,C12P21/02,C12Q1/68,G01N33/53,G01N33/566, PC
 G06F17/50//
 PC G06F17/30,C12N15/00,C12N5/00,C12N15/00
 CC Von Heljne matrix
 CC score 5.6999980926514
 CC seq LAWALPSLRIGA/AQ
 CC n=a, g, c or t
 FH Key Location/Qualifiers
 FT CDS 33..380
 FT sig_peptide 33..92
 FT sig_feature 326.
 FT misc_location/Qualifiers
 1..380
 /organism="Homo sapiens"
 /mol_type="genomic DNA"
 /db_xref="taxon:9606"

ORIGIN
 Query Match 51.3%; Score 357.4; DB 6; Length 380;
 Best Local Similarity 98.1%; Pred. No. 1.3e-68;
 Matches 366; Conservative 5; Mismatches 1; Indels 1; Gaps 1;

QY 1 TCCCGAGCCCTGCGCCCTGCACTATGTCCTGCGGCTCTATGCTGCTGAGGCTCT 60
 DB 8 TCCGCGCCCTGCGCCCTGCACTATGTCCTGCGGCTCTATGCTGCTGAGGCTCT 67
 QY 61 CCCAGGCTCTTGACTCGAGGCGCTCAGAGAGACGAAAGACCCGCGCTCTGCAGCC 120

DB 68 CCCCCCTCTCTCGACTCGAGCGGCTCAGAGACGAAAGACCCGGCTGTGTGAGCCC 127
 QY 121 CATAGTCCCGGAAAGATGAGAGCCCTGCGCATGAGTGCCTCCAGCACTTGAAGCTT 180
 DB 128 CATAGTCCCGGAAAGATGAGAGCCCTGCGCATGAGTGCCTCCAGCACTTGAAGCTT 187
 QY 181 GCGCTTACGCTATGTGTGTATCGACACGCGGCGGACGACCTGCAACACCCCGCTC 240
 DB 188 GCGCTTACGCTATGTGTGTATCGACACGCGGCGGACGACCTGCAACACCCCGCTC 247
 QY 241 GTGCGACGACAGCGCGGAAATGTGACGACTACCATGAAAGACACTGGCTGTGCGA 300
 DB 248 GTGCGACGACAGCGCGGAAATGTGACGACTACCATGAAAGACACTGGCTGTGCGA 307
 QY 301 CGTGGGCTACACTTCTT-GATTGAGAGAGCGGCTGTATACGAGGCGGTGCTGGA 359
 DB 308 CGTGGGCTACACTTCTTGTGATTTGAGAGAGCGGCTGTATACGAGGCGGTGCTGGA 367
 QY 360 ACTTCAAGGCTGC 372
 DB 368 ACTTCAAGGCTGC 380

RESULT 12
 AY083309 688 bp mRNA linear NAM 29-MAY-2002
 LOCUS Bos taurus oligosaccharide-binding protein mRNA, complete cde.
 ACCESSION AY083309
 VERSION AY083309.1 GI:19550241
 KEYWORDS
 SOURCE Bos taurus (cow)
 ORGANISM Bos taurus
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Cetartiodactyla; Ruminantia; Pecora; Bovidae; Bovidae; Bos.

REFERENCE 1 (bases 1 to 688)
 AUTHORS Tydeli,C.C., Yount,N., Tran,D., Yuan,J. and Seletsed,M.B.
 TITLE Isolation, characterization, and antimicrobial properties of bovine oligosaccharide-binding protein. A microbicidal granule protein of eosinophils and neutrophils
 JOURNAL J. Biol. Chem. 277 (22), 19658-19664 (2002)
 MENTHE 22028028
 PUBMED 11880375
 REFERENCE 2 (bases 1 to 688)
 AUTHORS Yount,N.Y., Tydeli,C.C. and Seletsed,M.B.
 TITLE Direct Submission
 JOURNAL Submitted (11-MAR-2002) Pathology, UC Irvine, 440D Medical Sciences
 1, Irvine, CA 92697, USA
 FEATURES
 source
 1..688
 /organism="Bos taurus"
 /mol_type="mRNA"
 /db_xref="taxon:9913"
 /cell_type="peripheral white blood cells"
 29..601
 /note="microbicidal; undergoes N-terminal glutamine cyclization; peptidoglycan recognition protein, PGRP"

CDS
 misc_feature
 misc_feature
 misc_feature
 order(146..148,281..283)
 /note="disulfide bond"
 order(209..211,227..229)
 /note="disulfide bond"
 ORIGIN

Query Match 50.6%; Score 352.6; DB 4; Length 688;
 Best Local Similarity 72.8%; Pred. No. 1.4e-67;
 Matches 490; Conservative 0; Mismatches 164; Indels 19; Gaps 2;

QY 24 CTATGTCGCGCGCTCTATGCTCTGCTGCTGCTTCCCAAGCTCTTGCATCGGAG 83
 DB 27 CCATGTCGCGCGCTCTATGCTCTGCTGCTGCTTCCCAAGCTCTTGCATCGGAG 86
 QY 84 CGGCTGAGAGACAGAAAGACCCGCTGCTGAGAGAGAGAGAGAGAGAGAGAGAGAG 143
 DB 87 CGGCTGAGAGACAGAAAGACCCGCTGCTGAGAGAGAGAGAGAGAGAGAGAGAGAG 128
 QY 144 AGGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 203
 DB 129 GCGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 188
 QY 204 CGGAG 263
 DB 189 CGGAG 248
 QY 264 TGCAG 323
 DB 249 TGCAG 308
 QY 324 GAG 383
 DB 309 GAG 368
 QY 384 ACTATGAG 443
 DB 369 CAG 428
 QY 444 CAG 503
 DB 429 CAG 488
 QY 504 CAG 563
 DB 489 CAG 548
 QY 564 CAG 623
 DB 549 CAG 608
 QY 624 CAG 683
 DB 609 CAG 667
 QY 684 TAAAGATGATGCT 696
 DB 668 TAAAGGCGAAGCT 680

RESULT 13
 ARI24884
 LOCUS ARI24884 549 bp DNA linear PAT 16-MAY-2001
 DEFINITION Sequence 1 from patent US 6172211.
 ACCESSION ARI24884
 VERSION ARI24884.1 GI:14110245
 KEYWORDS
 ORGANISM Unknown.
 SOURCE Unknown.
 UNCLASIFIED.
 REFERENCE 1 (bases 1 to 549)
 AUTHORS Georgiev G.P., Kiselev S.L., Prokhorchouk E.B. and Ostermann E.
 TITLE Nucleic acid encoding tag7 polypeptide
 JOURNAL Patent: US 6172211-A 1 09-JAN-2001;
 FEATURES
 1..549
 Location/Qualifiers
 /organism="Unknown"
 /mol_type="unassigned DNA"
 ORIGIN

Query Match 45.4%; Score 316.6; DB 6; Length 549;
 Best Local Similarity 72.8%; Pred. No. 1.3e-59;
 Matches 385; Conservative 0; Mismatches 114; Indels 0; Gaps 0;

QY 108 CCGTGAG 167
 DB 44 CCGTGAG 103
 QY 168 AG 227
 DB 104 AG 163
 QY 228 AG 287
 DB 164 AG 223
 QY 288 TGGGCTGAG 347
 DB 224 TGGGCTGAG 283
 QY 348 GCGGTGAG 407
 DB 284 GCGGTGAG 343
 QY 408 GCATGAG 467
 DB 344 GCATGAG 403
 QY 468 CCGAG 527
 DB 404 CCGAG 463
 QY 528 AAG 587
 DB 464 AAG 523
 QY 588 AG 647
 DB 524 AAG 603

RESULT 14
 BD078856
 LOCUS BD078856 549 bp DNA linear PAT 27-AUG-2002
 DEFINITION Tumor proliferation inhibition- and apoptosis-associated gene and
 ACCESSION BD078856
 VERSION BD078856.1 GI:22624459
 KEYWORDS
 ORGANISM unidentified.
 SOURCE unidentified.
 UNCLASIFIED.
 REFERENCE 1 (bases 1 to 549)
 AUTHORS Georgiev G., Kiselev S.L., Prokhorchouk E. and Ostermann E.
 TITLE Tumor proliferation inhibition- and apoptosis-associated gene and
 JOURNAL polypeptide and method of using the same
 COMMENT Patent: JP 2001509384-A 1 24-JUL-2001;
 BOEHRINGER INGENIEUR-UND CHEMIE AG
 OS Unidentified
 PN JP 2001509384-A/1
 PD 24-JUL-2001
 PF 10-JUL-1998 JP 2000502182
 PR 11-JUL-1997 US 08/893764
 PI GEORGI G. GEORGIEV, SERGEI KISELEV, EGOR PROKHORCHOUK, ELINORGE PI
 OSTERMANN
 PC C12N15/09, A61K35/76, A61K38/00, A61K48/00, A61P35/00, C07K14/525,
 C07K16/24,
 PC C12N1/15, C12N1/19, C12N1/21, C12N5/10, C12P21/02, C12P21/08 PC
 C12Q1/68, G01N33/53,
 PC C12N15/00, A61K37/02, C12N5/00
 CC Tumor proliferation inhibition- and apoptosis-associated gene
 and

